WINNERS OF THE FY 2004 COMPETITION UNDER THE
DEFENSE UNIVERSITY RESEARCH INSTRUMENTATION PROGRAM -- Page 1 of 6

Principal Investigator	Institution	State	Brief Description of Instrumentation or Research it Supports	Awarding Office(s)
Cammy R. Abernathy	University of Florida	FL	Optical Characterization of Spin Injection in Wide Bandgap Spintronic Devices	ARO
Steven M. Anlage	University of Maryland - College Park	MD	Nonlinear and Chaotic Pulsed Microwave Effects on Electronics	AFOSR
Harry A. Atwater	California Institute of Technology	CA	Characterization of Ferroelectric and Electro-optic Thin Films	ARO
Whitlow W. Au	University of Hawaii	HI	Mesopelagic Processes and Underwater Noise Effects on Marine Mammals	ONR
William E. Bailey	Columbia University	NY	Spin Dynamics in Ultra-thin Ferromagnets	ARO
Perla B. Balbuena	University of South Carolina	SC	Ab Initio Molecular Dynamics Investigations of Reaction Mechanisms	ARO
Ben B. Balsley	University of Colorado - Boulder	CO	Temporal and Spatial Resolution Studies in the Lower Atmosphere	ARO
Romesh C. Batra	Virginia Polytechnic Institute and State University	VA	Parallel Computer	ONR
Nicholas P. Bigelow	University of Rochester	NY	Quantum Information Collective Variable Research	ARO
Emmanuel Boss	University of Maine	ME	Acoustical and Optical System for Particle Characterization in the Coastal Ocean	ONR
Gerardine G. Botte	Ohio University	OH	Testing System for Fuel Cell Design and Electro-kinetics Analyses	ARO
Rodney D. Bowersox	Texas A & M University	TX	Extended Dynamic Range Stereoscopic Particle Image Velocimetry	ARO
Kenneth A. Bradley	University of California - Los Angeles	CA	High Throughput Screening	ARO
David J. Brady	Duke University	NC	Stereolithography for Rapid Prototyping of Three-Dimensional Optical Systems	AFOSR
Judee K. Burgoon	University of Arizona	AZ	Deception Detection Integrated Multimedia System	AFOSR
Federico Capasso	Harvard University	MA	Ultra-fast Mid-Infrared Quantum Cascade Lasers	ARO
Greg P. Carman	University of California - Los Angeles	CA	Sputtering and Dynamic Mechanical Analysis for Thin Film Active Materials	AFOSR
James J. Carroll	Youngstown State University	OH	High Resolution Multi-Detector for the Study of X-Ray Driven Gamma Emission	AFOSR
David A. Cartes	Florida State University	FL	Variable Frequency Experimental Bus and Electric Propulsion Emulator	ONR
Carlos E.S. Cesnik	University of Michigan	MI	Active Control of Vibration and Noise	ARO
Michael S. Chapman	Georgia Institute of Technology	GA	Laser System for Atomic Qubit Confinement	ARO
Jiuhua Chen	State University of New York - Stony Brook	NY	Instrumentation of Monochromatic X-Ray Side-Station for Melt Property Study	ARO
Weinong W. Chen	University of Arizona	AZ	Single-Stroke Intensifier and Hydraulic Pumping System	ARO
Zhan Chen	University of Michigan	MI	Sum Frequency Generation to Study Biofouling at the Molecular Level	ONR
Fu-pen Chiang	State University of New York - Stony Brook	NY	High Temperature Micro/Nanomechanics System for Fatigue Study of Materials	AFOSR
Ndaona Chokani	Duke University	NC	Large-Bandwidth, Phase-Locked Measurements for High-Speed Flow Research	AFOSR
Tsu-Wei Chou	University of Delaware	DE	Processing and Characterization Equipment for Nanostructured Materials	AFOSR
Edgar Choueiri	Princeton University	NJ	Visualization, Imaging, and Power for Plasma and Micro Propulsion Diagnosis	AFOSR
Rodney J. Clifton	Brown University	RI	White Light Interference Microscope to Study Metal-Polymer Interface Adhesion	ONR
Stephen M. Copley	Pennsylvania State University	PA	Six kilowatt Nd:YAG Laser	ONR
Thomas C. Corke	University of Notre Dame	IN	Compressor for Turbo-Jet Internal Flow Control	AFOSR
John Cuppoletti	University of Cincinnati	OH	High Pressure Suite for Studies of Molecular Structure and Function	ARO
Paul J. Dagdigian	John Hopkins University	MD	Spectroscopic and Kinetic Studies of Decomposition of Energetic Materials	ARO
Christopher C. Davis	University of Maryland - College Park	MD	Optical and Radio Frequency Communications Testbed for Scalable Networks	AFOSR
William J. Devenport	Virginia Polytechnic Institute and State University	VA	Novel Anechoic System for a Stability Wind Tunnel	ONR
Ronald A. DeVore	University of South Carolina	SC	Mathematical Analysis for Data and Image Processing	ARO

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Paul E. Dimotakis	California Institute of Technology	CA	Low-Noise, High-Speed, Digital Imaging for Characterizing Hypersonic Turbulence	AFOSR
Yujie J. Ding	Lehigh University	PA	Infrared Spectrometer for Characterizing Terahertz Photonic Bandgap Cyrstals	AFOSR
Dana D. Dlott	University of Illinois - Urbana-Champaign	IL	Closed-loop Feedback Optimization of Laser-Driven Shock Waves	ARO
James F. Driscoll	University of Michigan	MI	Particle Velocimetry and Laser Fluorescence for Imaging Combustor Dynamics	AFOSR
Gerald D'Spain	University of California Scripps Institution of Oceanography	CA	High-Frequency Billboard Array	ONR
Michael A. Duncan	University of Georgia	GA	Nanoparticle Mass Spectrometer System	AFOSR
Mitra Dutta	University of Illinois - Chicago	IL	Functionalized Nanotube Neuronal Sensors	AFOSR
Matthew B. Dwyer	Kansas State University	KS	Parallel Analysis of Models for Distributed Real-Time Embedded Systems	ARO
Yuris Dzenis	University of Nebraska - Lincoln	NE	Ultra-High-Speed Digital Imaging System	AFOSR
John Dzielski	Pennsylvania State University	PA	Analysis of Cavity-Body Interactions for Supercavitating Bodies	ONR
J Gary Eden	University of Illinois - Urbana-Champaign	IL	Optical System for Micromachining, Biomedical Diagnostics and Spectroscopy	AFOSR
Yossef A. Elabd	Drexel University	PA	Dynamic Fiber-Optic Evanescent Wave Spectroscopy	ARO
Daniel S. Elliott	Purdue University	IN	Instrumentation for Neutral Atom Lithography	ARO
Thomas G. Engel	University of Missouri - Columbia	MO	Helical Coil Launcher Pulsed Power Supply and Diagnostic System	AFOSR
Carl L. Enloe	US Air Force Academy	CO	Intensified High Speed Camera	AFOSR
Chang-Beom Eom	University of Wisconsin - Madison	WI	Laser Deposition with High Pressure Reflection High-Energy Electron Diffraction	AFOSR
Oren Etzioni	University of Washington	WA	Supercomputing for Artificial Intelligence, Data Mining and Database Research	ONR
Anthony G. Evans	University of California - Santa Barbara	CA	High-Speed Digital Imaging System	ONR
John S. Evans	New York University	NY	High-Resolution Nuclear Magnetic Resonance Spectrometer	ARO
Y Fainman	University of California - San Diego	CA	Fabricating and Characterizing Quantum and Nanophotonic Resonant Structures	AFOSR
Nabil H. Farhat	University of Pennsylvania	PA	Corticonic Network using Luminescent Rebroadcasting in Electron Trap	ARO
Hermann F. Fasel	University of Arizona	AZ	Stereoscopic, Three-Dimensional Visualization for Active Flow Control	AFOSR
Eric M. Feron	Massachusetts Institute of Technology	MA	Flight Test Environment for Small Airborne Autonomous Systems	ONR
Jeff W. Fisher	University of Georgia	GA	Gas Chromatograph System for Health Assessment of Jet Propellant	AFOSR
Piotr J. Flatau	University of California Scripps Institution of Oceanography	CA	Mobile Aerosol Radiometric System	ONR
Sanford Fleeter	Purdue University	IN	Rotating-Frame Sampling for Investigation of Turbomachinery High-Cycle Fatigue	AFOSR
Nicklaus F. Fogt	Ohio State University	OH	Measurements of Eye, Head, and Hand Movements under Vibration	AFOSR
Kenneth D. Forbus	Northwestern University	IL	Symbolic Supercomputer for Artificial Intelligence and Cognitive Science	ONR
Richard L. Fork	University of Alabama - Huntsville	AL	High Peak Power Laser for Defense of Mobile Platforms	ARO
John C. Foster	Massachusetts Institute of Technology	MA	Intercepted Signals for Ionospheric Science	AFOSR
Alexander L. Gaeta	Cornell University	NY	Femtosecond Optical Parametric Oscillator System	ARO
Michel R. Gagne	University of North Carolina - Chapel Hill	NC	Supercritical Fluid Chromatography in Sensitive Equipment Decontamination	ARO
Timothy S. Gardner	Boston University	MA	Rapid Inference of Genetic Networks in Microbes	ARO
Thomas L. Gaussiran II	University of Texas - Austin	TX	Coherent Ionospheric Doppler Receiver for Operations in Equatorial Regions	AFOSR
Glen G. Gawarkiewicz	Woods Hole Oceanographic Institution	MA	Autonomous Underwater Vehicles to Study Coastal and Upper Ocean Processes	ONR
Andrew J. Gellman	Carnegie Mellon University	PA	Ultra-High Vacuum Tribometer for Micro Electro-Mechanical Systems Tribology	AFOSR

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Steven M. George	University of Colorado - Boulder	CO	X-Ray Photoelectron Spectrometer for Analysis of Nanolaminate Thin Films	AFOSR
James S. Gibson	University of California - Los Angeles	CA	Spatial Light Modulators and Wavefront Sensor for Control of High Energy Lasers	AFOSR
James G. Glimm	State University of New York - Stony Brook	NY	Scalable Heterogeneous Supercomputer Built with Commodity Components	ARO
Matthew E. Goda	Air Force Institute of Technology	OH	Adaptive Optics Test and Experimentation	AFOSR
John A. Goff	University of Texas - Austin	TX	Heave Compensation System for a Small Off-Shore Drilling Rig	ONR
Arun M. Gokhale	Georgia Institute of Technology	GA	Imaging and Simulation System for Characterizing Material Behavior	AFOSR
William Goodhue	University of Massachusetts - Lowell	MA	Nanomechanical Analyzer	AFOSR
Phillip H. Goodman	University of Nevada - Reno	NV	Parallel Computing Cluster for High-Speed Brain Simulation Research	ONR
Ratan K. Guha	University of Central Florida	FL	High Performance Cluster Computing for Collaborative Large-Scale Simulation	ARO
Lingjie J. Guo	University of Michigan	MI	Instruments for Imprint-Based Nanolithography Research	AFOSR
Robert T. Guza	University of California Scripps Institution of Oceanography	CA	Nearshore Temperature, Dye, and Sediment Measuring Jet-Ski System	ONR
Naomi J. Halas	Rice University	TX	Near-Field Scanning Optical Microscope and Raman System for Plasmonics	AFOSR
John R. Halliwill	University of Oregon	OR	Environmental Chamber for Human Integrative Physiology Studies	ARO
Jung Han	Yale University	CT	Laser Scattering for Diagnosis of Metalorganic Chemical Vapor Deposition	AFOSR
Syed A. Hashsham	Michigan State University	MI	Scanning and Hybridization for Detection of Microorganisms on DNA Biochips	AFOSR
Matthew J. Hawkins	University of Delaware	DE	Acoustically Quiet System Components	ONR
Michael C. Heaven	Emory University	GA	High-Power Tunable Laser System	AFOSR
Dean Hegg	University of Washington	WA	Measurement of Aerosol Differential Hygroscopic Growth Rates	ONR
Homme W. Hellinga	Duke University	NC	Time-Resolved Fluorescence Spectroscopy of Engineered Biosensor Proteins	ONR
Stephen D. Hersee	University of New Mexico	NM	Metalorganic Chemical Vapor Deposition for Nanomaterials and Devices Research	AFOSR
Craig L. Hill	Emory University	GA	Characterizing Solid Polyoxometalate Materials and Catalysts	ARO
William S. Hodgkiss	University of California Scripps Institution of Oceanography	CA	Networked and Autonomous Acoustic Receiver Arrays and Source	ONR
Klaus A. Hoffmann	Wichita State University	KS	Multiprocessor Parallel Cluster for Magnetohydrodynamic Computations	AFOSR
Rob Holman	Oregon State University	OR	Upgrade of Argus Coastal System	ONR
H. L. Allen Huang	University of Wisconsin - Madison	WI	Parallel Computing Cluster System for Hyperspectral Data Modeling	ONR
Charles E. Hughes	University of Central Florida	FL	Mixed Reality System	ONR
Randall G. Hulet	Rice University	TX	Optical Lattice Trap for Quantum Gases of Lithium	ARO
Marcia J. Isakson	University of Texas - Austin	TX	Mobile X-Ray Attenuation Measurement Apparatus for Ocean Acoustic Research	ONR
Greg S. Jackson	University of Maryland - College Park	MD	Heterogeneous Kinetics in Solid Oxide Fuel Cells and Catalytic Reactors	ONR
Ravi L. Jain	University of New Mexico	NM	Advanced Optical Fibers	AFOSR
Stuart M. Jeffries	University of New Mexico	NM	Space Surveillance Simulator	AFOSR
Debdeep Jena	University of Notre Dame	IN	Molecular Beam Epitaxial System for III-V Nitride Semiconductors	ONR
Surya Kalidindi	Drexel University	PA	Scanning Electron Microscope with X-Ray and Raman Spectrometers	ARO
David L. Kaplan	Tufts University	MA	Spectroscopic Ellipsometer and Infrared Camera for Organic Thin Films Research	AFOSR
Robert M. Keolian	Pennsylvania State University	PA	Thermoacoustic Generator Support System	ONR
Douglas A. Keszler	Oregon State University	OR	Pulsed Laser Deposition System for Materials Research and Device Development	ARO

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John J. Kim	University of California - Los Angeles	CA	Supercomputer for Turbulence Control Simulations	AFOSR
Randall J. Knize	US Air Force Academy	CO	Tunable Femtosecond Laser	AFOSR
Sanjay Krishna	University of New Mexico	NM	Long-Wavelength Difference-Frequency Spectroscopy System	ARO
Waltraud M. Kriven	University of Illinois - Urbana-Champaign	IL	Curved Image Plate X-Ray Synchrotron Detector	AFOSR
Jeffrey R. Kuhn	University of Hawaii	HI	Diagnostic System	AFOSR
Satish Kumar	Georgia Institute of Technology	GA	Polymer/Single Wall Carbon Nanotubes Composite Processing	AFOSR
David N. Lambeth	Carnegie Mellon University	PA	Electronic and Magnetic Characterization for Single Chip Multi-Modal Nanosensors	AFOSR
Aaron D. Lanterman	Georgia Institute of Technology	GA	Sensing and Computation for Passive Radar and Signal Detection	AFOSR
Peter T. LaPuma	Uniformed Services University of the Health Sciences	MD	Chromate Dissociation from Paint Particles	AFOSR
Enrique J. Lavernia	University of California - Davis	CA	Atomic Force Microscope for the Study of Nanostructured Materials	ONR
John J. Lesko	Virginia Polytechnic Institute and State University	VA	Evolution of Naval Composites Subjected to Fire Threat	ONR
Karl N. Levitt	University of California - Davis	CA	A Virtually Mobile Ad-Hoc Wireless Security Testbed	AFOSR
Matthew R. Libera	Stevens Institute of Technology	NJ	High-Resolution Spectroscopic Cryo-Imaging of Solvated Polymers	ARO
Richard C. Lind, Jr.	University of Florida	FL	Virtual Environment: Visualization and Computation for Autonomous Vehicles	AFOSR
Richard B. Loftin	Old Dominion University	VA	Enhanced Visualization Capability for Modeling and Simulation	ONR
Steven E. Lohrenz	University of Southern Mississippi	MS	Above-Water UV-Visible Hyperspectral Radiometer for High Frequency Sampling	ONR
Timothy E. Long	Virginia Polytechnic Institute and State University	VA	Static-Dynamic Light Scattering to Measure Molecular and Aggregate Sizes	ARO
Steven Low	California Institute of Technology	CA	Hybrid Wide Area Network	ARO
Anthony P. Lyons	Pennsylvania State University	PA	Acoustic Vector Sensor Array System	ONR
Anupam Madhukar	University of Southern California	CA	Protein Template Directed Self-Assembly of Quantum Dot Arrays	AFOSR
Andrew J. Majda	New York University	NY	High-Performance Computing for Atmospheric and Oceanographic Research	ONR
Dinesh Manocha	University of North Carolina - Chapel Hill	NC	Portable Walkthrough and Computer-Generated Force Computation	ARO
Laurence D. Marks	Northwestern University	IL	In-Situ Transmission Electron Microscope Tribological System	AFOSR
Kenneth A. Mauritz	University of Southern Mississippi	MS	Broadband Dielectric Spectrometer to Characterize Nanocomposite Membranes	ARO
Dimitri N. Maviris	Georgia Institute of Technology	GA	Computation for Real-Time Collaborative Design and Strategic Decision Making	ONR
W. Kendall Melville	University of California Scripps Institution of Oceanography	CA	Hydrodynamics Studies	ONR
Harold Metcalf	State University of New York - Stony Brook	NY	Coherent Control of Atomic and Molecular Dynamics	ONR
Richard J. Meyer	Pennsylvania State University	PA	Laser Vibrometry for Improving Vehicle Noise and Transducer Array Control	ONR
Chad A. Mirkin	Northwestern University	IL	Scanning Probe Microscope for Chemical Study of Dip-Pen Nanolithography	AFOSR
Mark S. Mirotznik	Catholic University of America	DC	Rapid Prototyping System for Micro-Machined Electromagnetic Surfaces	ONR
Rajiv S. Mishra	University of Missouri - Rolla	MO	Robotic Friction Stir Welding Machine	ONR
Umesh K. Mishra	University of California - Santa Barbara	CA	High-Frequency Measurements for Radio-Frequency and Microwave Devices	ONR, AFOSR
Suzanne E. Mohney	Pennsylvania State University	PA	Multi-purpose Physical Vapor Deposition System for Combinatorial Metallizations	AFOSR
Jerry V. Moloney	University of Arizona	AZ	Scalable Shared Memory Supercomputer Replacement System	AFOSR
Hadis Morkoc	Virginia Commonwealth University	VA	Imprint Nanolithography System	AFOSR
Keiji Morokuma	Emory University	GA	Workstation Cluster for Computational Studies of Chemical Reaction	AFOSR

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John F. Muth	North Carolina State University	NC	Optical Probe for Radio-Frequency Photonics and Waveguide Characterization	ARO
SonBinh T. Nguyen	Northwestern University	IL	Gas Chromatography and Mass Spectrometry for Structures with Polymers	AFOSR
Assad A. Oberai	Boston University	MA	Computation of Turbulent Sources of Hydrodynamic Noise	ONR
Fred L. Ogden	University of Connecticut	CT	Evapotranspiration, Interception, and Runoff Production in the Seasonal Tropics	ARO
Gregory B. Olson	Northwestern University	IL	Accelerated Materials Prototyping	AFOSR
Terry P. Orlando	Massachusetts Institute of Technology	MA	Microwave Generator for Superconducting Qubits in Quantum Computing	AFOSR
Gilbert E. Pacey	Miami University	OH	Terahertz Spectroscopy	AFOSR
Michelle L. Pantoya	Texas Tech University	TX	Diagnostics for Performance Evaluation of Nano-engineered Energetic Materials	ARO
George Pappas	University of Pennsylvania	PA	Multiple Agents in Groups for Networked, Unmanned Missions	ARO
Terence Parker	Colorado School of Mines	CO	Diesel Spray Characterization with Ballistic Imaging and Infrared Scattering	ARO
Krishna R. Pattipati	University of Connecticut	CT	Distributed Dynamic Decision-making and Multi-echelon Command Decision-making	ONR
Jing Peng	Tulane University	LA	Mobile Testbed for Object Recognition and Learning Research	ARO
Hartmut Peters	University of Miami	FL	Microstructure Profiling System for Coastal and Marginal Seas	ONR
Shashi Phoha	Pennsylvania State University	PA	Surveillance Sensor Network Operational Testbed	ARO
Zoya Popovic	University of Colorado - Boulder	CO	Nonlinear Microwave and Millimeter-wave Component Characterization	ARO
Dennis Prather	University of Delaware	DE	Molecular Beam Epitaxy for Photonic Nanostructures	ONR
David J. Quesnel	University of Rochester	NY	Piezoelectric Materials	ONR
Rajeev J. Ram	Massachusetts Institute of Technology	MA	Direct Thermal-to-Electrical Conversion Test-Bed System	ONR
John F. Raquet	Air Force Institute of Technology	OH	Navigation Technology Sensor Suite	AFOSR
Guruswami Ravichandran	California Institute of Technology	CA	Mechanical Response of Micro and Biomechanical Systems	ARO
Asok Ray	Pennsylvania State University	PA	Instrumentation for Complex Systems Failure Research	ARO
Fan Ren	University of Florida	FL	Metal Deposition System for Metal-Semiconductor-Metal Photodetectors	ARO
Mark A. Richards	Georgia Institute of Technology	GA	Rapidly Reconfigurable High Performance Computing Cluster	AFOSR
Jim E. Riviere	North Carolina State University	NC	Gas Chromatography and Mass Spectrometry for Membrane Transport	AFOSR
Rustum Roy	Pennsylvania State University	PA	Spectrometer for In-Situ Raman Spectroscopy of Microwave Reactions	ONR
Mo Samimy	Ohio State University	OH	Flow Diagnostics and Control	AFOSR
Thomas B. Sanford	University of Washington	WA	Shallow Water Electric Field Sensors for Ocean Electric Field Studies	ONR
Axel Scherer	California Institute of Technology	CA	Characterization of Plasmonic and Optical Microcavity Light Emitters	AFOSR
Oscar M. E. Schofield	Rutgers University	NJ	Autonomous Relocateable Rapid Environmental Assessment Capability	ONR
David Schwam	Case Western Reserve University	OH	Digital Additive and Laser Subtractive Rapid Manufacturing	AFOSR
Brian P. Self	US Air Force Academy	CO	Spatial Disorientation Tracking and Monitoring	AFOSR
Jorge M. Seminario	University of South Carolina	SC	Computational Approach to Design of Sensing Devices and Systems	ARO
Timothy S. Shaw	Pennsylvania State University	PA	Enhanced Visualization Techniques	ONR
John M. Shea	University of Florida	FL	Heterogeneous Network Testbed	ARO
Karl Sieradzki	Arizona State University	AZ	Multimode Large Format Scanning Probe Microscopy	AFOSR
Kevin E. Smith	Boston University	MA	Plasma System to Study Electronic Structure of Material Surface and Interface	ARO

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Roman Sobolewski	University of Rochester	NY	Laser-Based Transmitter for Gigahertz-Rate Optical Quantum Communications	AFOSR
Kevin Speer	Florida State University	FL	Profiling System for Ocean Turbulence Studies	ONR
Bruce D. Spiess	Virginia Commonwealth University	VA	Retinal Fluorescein Angiography to Study Treatment for Decompression Sickness	ONR
Anuj Srivastava	Florida State University	FL	Real-Time Computer Vision Research	ARO
Bethanie Stadler	University of Minnesota	MN	Nanosensor Fabrication Studies	ONR
H. Eugene Stanley	Boston University	MA	Threat Networks and Threatened Networks: Stabilization and Immunization	ONR
Timothy K. Stanton	Woods Hole Oceanographic Institution	MA	Broadband Acoustic Resonance Classification of Swimbladder-Bearing Fish	ONR
Minoru Taya	University of Washington	WA	Spark Plasma Sintering for Nanostructured Smart Materials	AFOSR
Richard J. Temkin	Massachusetts Institute of Technology	MA	Photonic Bandgap and Microwave Amplifier Research	AFOSR
Theofanis G. Theofanous	University of California - Santa Barbara	CA	Aerodynamic Breakup of Liquid Drops in Supersonic Flows	ARO
Donald L. Thompson	Oklahoma State University	OK	Simulations of Processes in Energetic Materials	ARO
Kimberly L. Turner	University of California - Santa Barbara	CA	Scanning Laser Vibrometer for Charactering Micro and Nanomechanical Devices	AFOSR
David W. Tyler	University of Arizona	AZ	Imaging Polarimeter for Space Situational Awareness	AFOSR
Eric W. Van Stryland	University of Central Florida	FL	Near-Infrared Spectrofluorometer for Characterization of Optical Limiting Materials	AFOSR
Orlin D. Velev	North Carolina State University	NC	Fabrication and Characterization of Metallic Nanostructures used in Sensors	ARO
Robert J. Vidmar	University of Nevada - Reno	NV	Electron-Beam Source and Diagnostic Instrumentation for Air-Plasma Research	AFOSR
Bing Wang	University of Connecticut	CT	Multi-User Quantum Key Distribution with Multi-Wavelength Optical Networks	ARO
Q. Jane Wang	Northwestern University	IL	Contact Failure Transition	ONR
Zhong L. Wang	Georgia Institute of Technology	GA	Dual-Beam Focused Ion-Beam Microscope	AFOSR
Kevin R. Ward	Virginia Commonwealth University	VA	Studies of Combat Trauma and Multisystem Organ Failure	ONR
Michael R. Wasielewski	Northwestern University	IL	Raman Spectroscopy of Energy and Electron Transfer in Photovoltaic Materials	ONR
Marcus Weck	Georgia Institute of Technology	GA	Polymer Characterization to Enhance Infrared-Reflective Optical Tags	ONR
Kevin Williams	University of Washington	WA	Acoustic System for Synthetic Aperture Sonar Detection of Mines	ONR
Xiaoxing Xi	Pennsylvania State University	PA	Hybrid Physical-Chemical Vapor Deposition System for Multifunctional Materials	ONR
Jimmy Xu	Brown University	RI	Nano and Molecular Scale Positioning, Assembly, Manipulation, and Probing	AFOSR
Ray Y. Yang	West Virginia University	WV	Nanobiotechnology Research	AFOSR
Stephen Yau	University of Illinois - Chicago	IL	Computation and Simulation Research on Duncan-Mortensen-Zakai Equation	ARO
Nong Ye	Arizona State University	AZ	Information Testbed for Intrusion and Damage Assessment	AFOSR
Richard A. Yetter	Pennsylvania State University	PA	Spectroscopy and Cinematography for F88Systems Study	AFOSR
Xiang Zhang	University of California - Los Angeles	CA	Molding and Characterization of High-Frequency Meta-Materials	ONR
Xin Zhang	Boston University	MA	Argon Ion Laser to Measure Stress and Strain Micro Electro-Mechanical Systems	AFOSR
Bin Zhao	University of Tennessee	TN	Scanning Probe Microscope	ARO
Wei Zhao	University of Arkansas	AR	Instrumentation for Separation and Purification of Soluble Carbon Nanotubes	ARO

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